

# LUMA™ Monitors

## LUMA LMD10 Series (1410, 2010) and LMD 20 Series (1420, 2020)

Introducing a new line of Sony LUMALCD professional video monitors that accurately reproduces SD resolution.

### High Quality LCD Panel

By employing the latest LCD panel, we offer a picture with high contrast and a wide viewing angle.

### Accurate SD Signal Reproduction

640x480 dot VGA LCD panel provides an accurate translation of interlaced to progressive signals.

### All-in-One Design – Slim, Light and Compact

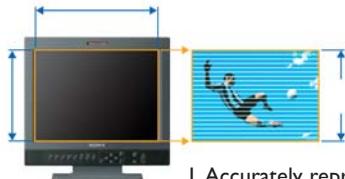
You can easily replace your PVM monitors with the new LUMA monitors. Control buttons, input and output, and monitor stand are all combined with the LCD panel to achieve an all-in-one design. Operation and functions are consistent with PVM series, which enables easy replacement.

### Flexible Installation

The back of the LCD has VESA® standard mount with 100mm pattern. This allows flexibility in installation by using a wall mount bracket or arm stand.

### Monitor Resolution

Displays crisp images vertically and horizontally with high brightness, contrast, and fast responding LCD.



I. Accurately reproduces SDTV signal on LCD display



LCD Monitor

LMD-1410/2010



LCD Monitor

LMD-1420/2020



2. 170 degree wide viewing angle

### Optional Accessories

- BKM-320D SDI input adaptor for LMD-1420/2020 only
  - SDI (4:2:2) signal input (x1)
  - SMPTE 2259M 270Mbps 10bit
- MB-526 Rack Mount 7U (LMD-1410/1420)
- MB-527 Rack Mount 10U (LMD-2010/2020)

### Operational Convenience

#### LMD-1420/2020/1410/2010

- Adjustment of color temperature (High/Low/User select)
- 4:3 / 16:9 aspect ratio selection
- Parallel remote
- Scan mode (-3%,5%)
- 19-inch rack mount by using optional rack mount bracket

### Additional Features

#### LMD-1420/2020

- AR coated protection panel
- Blue only mode
- Center marker, 4:3 / 16:9 aspect marker, safety marker, 4:3 zoom
- Three-color tally

### LUMA LMD-9050

A new line-up of Sony's small sized LCD monitor with multi format support that allows usage in various applications such as shooting, OB van, ENG and editing systems.

### High Performance LCD Panel

By employing an LCD panel with high brightness, contrast, and fast response, we offer a picture quality with excellent color reproduction even in exterior usage.

### 170° Wide Viewing Angle and AR Coated Protection Panel

Multiple layered AR coating reduces exterior light reflection and protects the panel from shock or scratches.

### Various Applications

One-piece design results in less weight and size, but maintains user-friendly interfaces. Perfect for less spacious editing suites, OB vans, control rooms, and other applications. The panel has extensive built-in input/output options.

### Other

- Optional mounting bracket enables a side-by-side mounting of 2 LMD-9050's with 5RU size.
- 3 mode power system ~ AC100V, DC12V, Battery Adaptor
- Comes equipped with HDSDI, SDI, Analog RGB /Component, Y/C
- HDSDI input will automatically detect between HDSDI or SDI signal



LCD Monitor

LMD-9050

### Operational Convenience

- Adjustment of color temperature (High/Low/User select)
- 4:3 / 16:9 aspect ratio selection
- Parallel remote
- Scan mode (0%,5%)
- Five Gamma Selections
- AR coated protection panel
- Mono / Blue only mode
- Center marker, 4:3 / 16:9 aspect marker, safety marker, 4:3 zoom
- Three-color tally

### Optional Accessories

- VF-509 ENG Kit
- MB-525 Rack Mount
- MB-528 Blank Panel

# LMD-1410, 2010, 1420, 2020

	LMD-1410	LMD-2010	LMD-1420	LMD-2020
<b>Picture Performance</b>				
LCD Panel	amorphous silicon TFT active matrix	amorphous silicon TFT active matrix with Multi AR coating protection panel		
Resolution		640 x 480 dot		
Pixel Efficiency		99.99%		
Picture size (W/H)	14 inch* (approx. 11 1/8 x 8 3/8 in)	20 inch* (approx. 16 x 12 in)	14 inch* (approx. 11 1/8 x 8 3/8 in)	20 inch* (approx. 16 x 12 in)
Aspect ratio		4:3		
Color		Approx. 1677 Million colors		
Viewing angle		85°/85°/85°/85° (up/down/left/right contrast >10:1)		
Over scan		-3%, 5%		
Color Temperature		High, Low, User setting (adjustment range 5,000~10,000K)		
<b>Input</b>				
LINE A	S video input	4 pin mini DIN x 1		
	VIDEO input	BNC x 1		
	AUDIO input	Pin jack x 1		
LINE B	VIDEO input	BNC x 1		
	AUDIO input	Pin jack x 1		
		BNC x 3		
RGB/Component	AUDIO input	Pin jack x 1		
			BNC x 1	
Option Input	D1-SDI input	-	BNC x 1	
Optional Adaptor	AUDIO input	-	Pin jack x 1	
Reference input		-	BNC x 1	
Remote	Parallel	Modular connect 8 pin x 1		
	TALLY	-	Controlled via modular connect 8 pin	
<b>Output</b>				
LINE A	S video input	4 pin mini DIN x 1, Loopthrough, 75 Ω auto terminate		
	VIDEO input	BNC x 1, Loopthrough, 75 Ω auto terminate		
	AUDIO input	Pin jack x 1		
LINE B	VIDEO input	BNC x 1, Loopthrough, 75 Ω auto terminate		
	AUDIO input	Pin jack x 1		
RGB/Component		BNC x 3, Loopthrough, 75 Ω auto terminate		
	AUDIO	Pin jack x 1		
Reference input		-	BNC x 1, Loopthrough, 75 Ω auto terminate	
Inside Speaker		0.5W, Mono		
<b>General</b>				
Power consumption	Maximum: Approx. 50W	Maximum: Approx. 86W	Maximum: Approx. 50W	Maximum: Approx. 86W
Power requirement		AC100, 240V, 50/60Hz		
Operation conditions		Temperature 0 to 35 °C		
Operation conditions		Humidity 30 to 85% (No condensation)		
Operation conditions		Pressure 700 to 1060 hPa		
Transport and storage conditions		Temperature -10 to 40 °C		
Transport and storage conditions		Humidity 0 to 90%		
Transport and storage conditions		Pressure 700 to 1060 hPa		
Dimension without stand	Approx. 13 1/2 x 12 x 3 3/8 in (343 x 304 x 87mm)	Approx. 18 1/2 x 15 1/2 x 3 3/8 in (470 x 394 x 87 mm)	Approx. 13 1/2 x 12 x 3 3/8 in (343 x 304 x 87mm)	Approx. 18 1/2 x 15 1/2 x 3 3/8 in (470 x 394 x 87 mm)
Dimension with stand	Approx. 13 1/2 x 13 7/8 x 14 3/8 in (343 x 352 x 265mm)	Approx. 18 1/2 x 17 3/8 x 14 3/8 in (470 x 440 x 265mm)	Approx. 13 1/2 x 13 7/8 x 14 3/8 in (343 x 352 x 265mm)	Approx. 18 1/2 x 17 3/8 x 14 3/8 in (470 x 440 x 265mm)
Weight	Approx. 11 lb 7 oz (5.2kg) (Body), Approx. 3 lb 12 oz. (1.7kg) (Stand)	Approx. 17 lb 10 oz (8.0kg) (Body), Approx. 3 lb 12 oz. (1.7kg) (Stand)	Approx. 11 lb 7 oz (5.2kg) (Body), Approx. 3 lb 12 oz. (1.7kg) (Stand)	Approx. 17 lb 10 oz (8.0kg) (Body), Approx. 3 lb 12 oz. (1.7kg) (Stand)
VESA Mount		100 x 100 mm pitch		
Optional Mounting bracket	MB-New1 (Height: 7U)	MB-New2 (Height: 10U)	MB-New1 (Height: 7U)	MB-New2 (Height: 10U)

\* Viewable area measured diagonally

## LMD-9050

Input Video	Composite/S Video	RGB/Analog Component	SDI	HD-SDI
480/60i	●	●	●	●
575/50i	●	●	●	●
480/60P		●		
575/50P		●		
1080/24PsF		●		●
1080/50i		●		●
1035/60i		●		●
1080/60i		●		●
720/60P		●		●

**SONY**

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